

News Letter La Rosita May 2022

In the last two years, a lot has changed and it's time to take stock.

It seems that our CDs are staying more and more on their shelves, replaced by digital files that circulate on our networks from the internet.

When we released our first Streamer in 2004, we were the first in France, but also very early in Germany and in other countries to present the iconic Rosita Flying Saucer.



At that time, the reception from both professionals and users was excellent and it is probably thanks to its musicality and its true CD resolution (16 bits 44.1 kHz) that our "flying saucer" took off.

We are convinced that computer science and its evolutions are the engines of this new technology that is streaming.

High resolution is now established on the market and our computers have had to adapt. The software players have also evolved and are more and more greedy in computing power. Over the years we have proven to you that upgrading your computer is crucial. When a streamer contains its own computer and hard drive, it is threatened with obsolescence.

In the same way, we were one of the first companies to introduce the now famous ROON player during international shows

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and have received ROON approval. We recommend the ROON Player even though our devices can work perfectly well with other software.

Being "ROON Ready" guarantees that the streamer and the DAC are automatically recognized by ROON and all parameters of the player will be adjusted automatically by the application.

(Latency, volume control, definition (16/24/32 bits), sample rates, etc.)

We have also chosen to preserve a separate central computer unit (a computer) which must also be able to evolve (OS and hardware)

When we presented the Black Hole, we demonstrated that taking care of the computer and especially its power supplies led to a gain in quality. We need power supplies that respect the work done in the DAC part.

One of the updates we are proposing today is for the computer part of the Black Hole II, where we are replacing the motherboard with a card with an "Apple Silicone M1" processor and a new power supply adapted to the needs of this new motherboard.



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As usual, there is a clear improvement in the sound, many of you have asked us about this development and all of you have noticed it. "A great improvement, the sound message is more intelligible, the tempo is improved, a lot of details emerge, a lot of serenity when listening" These are your comments and our findings.

In the case of Apple, it is likely that the osmosis between the operating system and the hardware, both designed to serve the other, plays a crucial role.

For those who already own a " Black Hole II computer Part ", the update can be done. Remember that the " Black Hole II computer Part " is offered at a price of 5900 €.

Cost of the upgrade including the preparation of the M1 board and the replacement of a part of the power supply: (price list on next page)

Motherboard preparation: **280 €** (also available for MAC MINI owners only)

Black Hole Power Supply Part: **1100 €** (also available for MAC MINI owners)

Mac Mini (Apple price list) MacMini M1 16GB RAM 512GB-SSD: 1259,00 € (a larger SSD is available)

(a larger SSD is possible, please contact us)

Total :280+1400+1259 = **2639,00€** (price)

Streamers and USB DACs "generation 2022" update.

But we don't stop there, always looking for improvements in musicality, we decided to propose an update that we tested during several months and that we install in our current productions.

This update improves the transparency thanks to a new generation of resistors produced by our current supplier (micro-production of Japanese origin) and new electrolytic capacitors of new generation. We had to redesign our circuit boards to use them. The new generation printed circuit boards developed with our subcontractor offer the same musical properties as an air wiring (!)

For the record:

The ultimate development is the all-silver resistor, no, it's not solid silver, but is essentially the same as the non-magnetic tantalum resistor, where instead of a high copper brass ferrule with copper lead wires, we use a solid silver ferrule with 1.2 mm pure solid silver lead wires. We had to have a special annealed silver material developed by a metallurgist so that we could control the hardness so that the "grip" of the cups would be sufficient to not come off the resistor body when the lead wires flexed. It took a while to find a specialized company willing to produce this material, then the minimum amount they could make was 50 kilograms of silver (! Not cheap!).

Here is a picture of these resistors, they now equip our entire analog output stage.

Accompanied by capacitors also of new generation with very long life and very low internal resistance. (ESR)

This is a complete replacement of the output card.

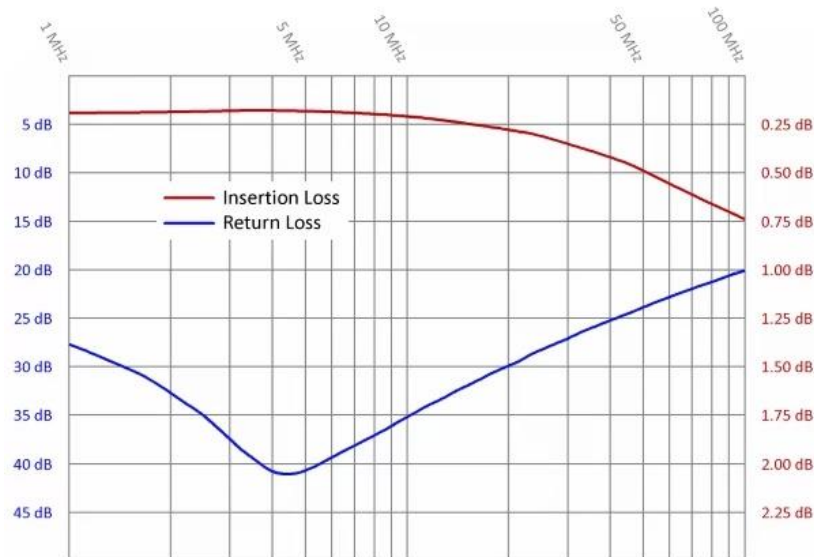
(images) ==>>



But also !

A new LAN isolator (ETHERNET network) with unprecedented qualities!

The devices are now perfectly isolated from the routers and the BOXes which are often very often parasitized by their own power supplies. (LAN ISOLATOR)



Additional protection against pulsed voltages

Supported data rates: 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s

Voltage resistance: AC @ 50Hz (60s)5000 V

Dielectric strength: DC (60s)8500 V

Performance category according to ISO 11801 Class D

Insertion loss (IL), typ. 0.7 dB @ 100MHz

Return loss (RL), typ. 20 dB @100MHz

Voltage environment (max.) 400 V AC

Protection type according to EN 60529

Insulation type according to IEC60601-1

Operating temperature -10°C / +70°C

**The last two updates are available for all the DACs and Streamers of our range:**

Quark HD Streamer & Quark HD DAC : LAN modification => **580 €**

Delta HD & Neutron Star: LAN modification => **580 €**

Gamma HD & Black Hole DAC: LAN modification => **580 €**

Quark HD Streamer & HD DAC : Output stage replacement => **680 €**

Delta HD & Neutron Star : Output stage replacement => **920 €**

Gamma HD & Black Hole DAC: Output stage replacement => **1430 €**

- Upgrades extend your warranty by 2 years and bring your devices back to your devices exactly to the specifications of the current productions.
  - Upgrade delay is 10 days.
  - TeamViewer intervention even on weekends on request (SMS)
- +33 6 50 62 49 21

We remain at your disposal for any further information you may require

Best regards,  
Dan Bellity and the La Rosita Team